ABSTRACT

An aerogel substrate useful for an electrically conductive substrate, a heat insulating substrate, an optical waveguide substrate, a substrate for a light emitting device or a light emitting device is provided.

The aerogel substrate is characterized by comprising a functional layer and an aerogel layer, and an intermediate layer formed between the functional layer and the aerogel layer to allow the functional layer to be formed uniformly thereon. The intermediate layer is formed on at least one surface of the aerogel layer by a gas phase method, by the Langmuir-Blodgett method or by adsorption of an inorganic layered compound; or formed by a hydrophilicizing treatment of at least one surface of the aerogel layer followed by coating and drying an aqueous coating fluid, by an annealing treatment of at least one surface of the aerogel layer, or by a hydrophilicizing treatment of at least one surface of the aerogel layer.